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Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). FEE TRANSMITTAL For FY 2007		Complete if Known Application Number 10/591,482 Filing Date September 1, 2006 First Named Inventor Thomas Muller Examiner Name Not Yet Assigned Art Unit Not Yet Assigned Attorney Docket No. PHPH-P01-015	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27			
TOTAL AMOUNT OF PAYMENT (\$) 290.00			

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____
☒ Deposit Account Deposit Account Number: 18-1945 Deposit Account Name: Fish & Neave IP Group, Ropes & Gray LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims Extra Claims Fee (\$) Fee Paid (\$)

- = x =

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims Extra Claims Fee (\$) Fee Paid (\$)

- = x =

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

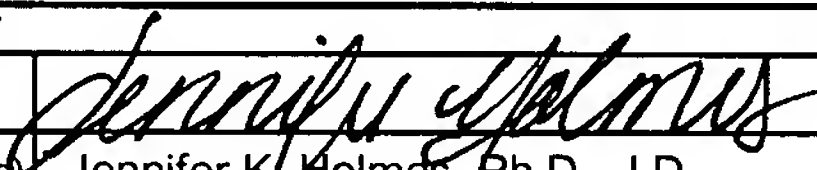
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)

- 100 = /50 = (round up to a whole number) x =

4. OTHER FEE(S)

	Fees Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)	
Other (e.g., late filing surcharge): 1252 Extension for response within second month	225.00
1051 Surcharge-Late oath or declaration	65.00

SUBMITTED BY			
Signature		Registration No. (Attorney/Agent) 46,778	Telephone (617) 951-7933
Name (Print/Type)	Jennifer K. Holmes, Ph.D., J.D.	Date	July 31, 2007

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: MS PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: July 31, 2007

Signature:  (Mary Jane DiPalma)

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: MS PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: July 31, 2007

Signature: 

(Mary Jane DiPalma)

Docket No.: PHPH-P01-015
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Muller et al.

Application No.: 10/591,482

Confirmation No.: 9365

Filed: September 1, 2006

Art Unit: Not Yet Assigned

For: MUTEIN OF A BONE MORPHOGENETIC
PROTEIN AND USE THEREOF

Examiner: Not Yet Assigned

RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS

MS PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In response to the Notification of Missing Requirements, mailed April 2, 2007 (copy enclosed) Applicant respectfully submits a Combined Declaration and Power of Attorney, a Petition for Extension of Time, and payment of the surcharge under 37 CFR 1.492(h).

Please charge our Deposit Account No. 18-1945 in the amount of \$290.00 covering the fees stated above. The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 18-1945, under Order No. PHPH-P01-015.

Dated: July 31, 2007

Respectfully submitted,

By 
Jennifer K. Holmes, Ph.D., J.D.

Registration No.: 46,778

FISH & NEAVE IP GROUP, ROPES & GRAY LLP
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Boston, Massachusetts 02110
(617) 951-7000
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Attorneys/Agents For Applicant

08/06/2007 LLANDGRA 00000009 181945 10591482

02 FC:2617 65.00 DA



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/591,482	Thomas Muller	PHPH-P01-015

28120
 FISH & NEAVE IP GROUP
 ROPES & GRAY LLP
 ONE INTERNATIONAL PLACE
 BOSTON, MA 02110-2624

Ropes & Gray

APR 05 2007

Intellectual Property Dept.

INTERNATIONAL APPLICATION NO.	
PCT/EP05/02328	
I.A. FILING DATE	PRIORITY DATE
03/04/2005	03/04/2004

CONFIRMATION NO. 9365

371 FORMALITIES LETTER



OC000000023156189

Date Mailed: 04/02/2007

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 09/01/2006
- Copy of the International Search Report filed on 09/01/2006
- Copy of IPE Report filed on 09/01/2006
- Preliminary Amendments filed on 09/01/2006
- Biochemical Sequence Diskette filed on 09/01/2006
- Biochemical Sequence Listing filed on 09/01/2006
- U.S. Basic National Fees filed on 09/01/2006
- Priority Documents filed on 09/01/2006
- Specification filed on 09/01/2006
- Claims filed on 09/01/2006
- Abstracts filed on 09/01/2006
- Drawings filed on 09/01/2006
- Paper nucleotide sequence listings filed on 09/01/2006

File No.: PHPH-P01-015
 Action Desc: Missing Parts.
 Due Date: 6/2/07
 By: B. Meyer

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

**COPY
 SENT TO
 NY/PA/DC
 BY**

- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

65 Small

Total additional fees required for this application is ~~\$430~~ for a ~~Large~~ Entity:

- \$130 Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

WINSTON M ALVARADO

Telephone: (703) 308-9140 EXT 206

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/591,482	PCT/EP05/02328	PHPH-P01-015

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Dated: July 31, 2007

Signature: 

(Mary Jane DiPalma)

Docket No.: PHPH-P01-015
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Muller et al.

Application No.: 10/591,482

Confirmation No.: 9365

Filed: September 1, 2006

Art Unit: Not Yet Assigned

For: MUTEIN OF A BOND MORPHOGENETIC
PROTEIN AND USES THEREOF

Examiner: Not Yet Assigned

NOTIFICATION OF CHANGE IN LARGE ENTITY STATUS
UNDER 37 C.F.R. 1.27

MS PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

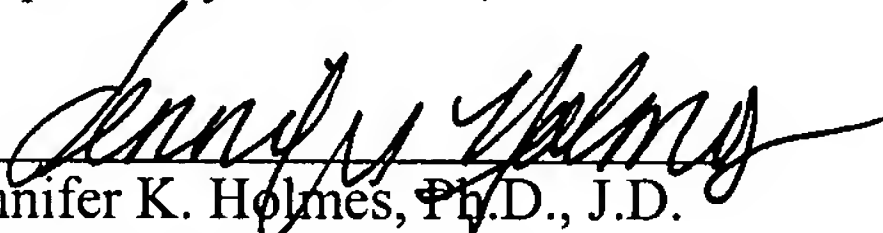
Dear Sir:

In accordance with 37 C.F.R. 1.27, Applicant hereby changes the status of the present application to small entity status.

Applicants believe no fee is due with this request. However, if a fee is due, please charge our Deposit Account No. 18-1945, under Order No. PHPH-P01-015 from which the undersigned is authorized to draw.

Dated: July 31, 2007

Respectfully submitted,

By 
Jennifer K. Holmes, Ph.D., J.D.

Registration No.: 46,778

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